

OIPE

## RAW SEQUENCE LISTING

DATE: 08/29/2001

PATENT APPLICATION: US/09/872,712A

TIME: 13:49:38

Input Set : A:\102131.txt

Output Set: N:\CRF3\08292001\I872712A.raw

4 <110> APPLICANT: Backer, Marina V.  
5 Backer, Joseph M.  
7 <120> TITLE OF INVENTION: MOLECULAR DELIVERY VEHICLE FOR DELIVERY  
8 OF SELECTED COMPOUNDS TO TARGETS  
11 <130> FILE REFERENCE: 102131-200  
13 <140> CURRENT APPLICATION NUMBER: US 09/872,712A  
14 <141> CURRENT FILING DATE: 2001-06-01  
16 <150> PRIOR APPLICATION NUMBER: US 60/209,660  
17 <151> PRIOR FILING DATE: 2000-06-05  
19 <160> NUMBER OF SEQ ID NOS: 30  
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 15  
25 <212> TYPE: PRT  
26 <213> ORGANISM: Human  
28 <400> SEQUENCE: 1  
29 Lys Glu Thr Ala Ala Ala Lys Phe Glu Arg Gln His Met Asp Ser  
30 1 5 10 15  
33 <210> SEQ ID NO: 2  
34 <211> LENGTH: 15  
35 <212> TYPE: PRT  
36 <213> ORGANISM: Human  
38 <400> SEQUENCE: 2  
39 Lys Glu Ser Arg Ala Lys Lys Phe Gln Arg Gln His Met Asp Ser  
40 1 5 10 15  
43 <210> SEQ ID NO: 3  
44 <211> LENGTH: 26  
45 <212> TYPE: DNA  
46 <213> ORGANISM: Artificial Sequence  
48 <220> FEATURE:  
49 <223> OTHER INFORMATION: Synthetic nucleotide probe.  
51 <400> SEQUENCE: 3  
52 taaggcctat ggcagaagga ggaggg 26  
54 <210> SEQ ID NO: 4  
55 <211> LENGTH: 27  
56 <212> TYPE: DNA  
57 <213> ORGANISM: Artificial Sequence  
59 <220> FEATURE:  
60 <223> OTHER INFORMATION: Synthetic nucleotide probe.  
62 <400> SEQUENCE: 4  
63 actcgagtca ccgcctcggc ttgtcac 27  
65 <210> SEQ ID NO: 5  
66 <211> LENGTH: 27  
67 <212> TYPE: DNA  
68 <213> ORGANISM: Bovine  
70 <400> SEQUENCE: 5  
71 atgagcagct ccaactactg taaccag 27

ENTERED

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73 <210> SEQ ID NO: 6
74 <211> LENGTH: 24
75 <212> TYPE: DNA
76 <213> ORGANISM: Bovine
78 <400> SEQUENCE: 6
79 atgacttccg ctgccagcag ctcc          24
81 <210> SEQ ID NO: 7
82 <211> LENGTH: 24
83 <212> TYPE: DNA
84 <213> ORGANISM: Bovine
86 <400> SEQUENCE: 7
87 atgtccgctg ccagcagctc caac        24
89 <210> SEQ ID NO: 8
90 <211> LENGTH: 26
91 <212> TYPE: DNA
92 <213> ORGANISM: Bovine
94 <400> SEQUENCE: 8
95 atggctgccg gcagctccaa ctactg      26
97 <210> SEQ ID NO: 9
98 <211> LENGTH: 28
99 <212> TYPE: DNA
100 <213> ORGANISM: Bovine
102 <400> SEQUENCE: 9
103 atggccagca gctccaacta ctgtaacc    28
105 <210> SEQ ID NO: 10
106 <211> LENGTH: 27
107 <212> TYPE: DNA
108 <213> ORGANISM: Bovine
110 <400> SEQUENCE: 10
111 atgagcagct ccaactactg taaccag     27
113 <210> SEQ ID NO: 11
114 <211> LENGTH: 28
115 <212> TYPE: DNA
116 <213> ORGANISM: Bovine
118 <400> SEQUENCE: 11
119 ctacactgaa gcatcaaagt ggactggc    28
121 <210> SEQ ID NO: 12
122 <211> LENGTH: 28
123 <212> TYPE: DNA
124 <213> ORGANISM: Bovine
126 <400> SEQUENCE: 12
127 ctacactgaa caatcaaagt ggactggc    28
129 <210> SEQ ID NO: 13
130 <211> LENGTH: 34
131 <212> TYPE: DNA
132 <213> ORGANISM: Bovine
134 <400> SEQUENCE: 13
135 ctacactgag caagcatcaa agtggactgg  34
137 <210> SEQ ID NO: 14

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138 <211> LENGTH: 26
139 <212> TYPE: DNA
140 <213> ORGANISM: Human
142 <400> SEQUENCE: 14
143 atggactcga gcccgctcttc ttcttc 26
145 <210> SEQ ID NO: 15
146 <211> LENGTH: 26
147 <212> TYPE: DNA
148 <213> ORGANISM: Human
150 <400> SEQUENCE: 15
151 atggctgcca gcagctccaa ctactg 26
153 <210> SEQ ID NO: 16
154 <211> LENGTH: 27
155 <212> TYPE: DNA
156 <213> ORGANISM: Human
158 <400> SEQUENCE: 16
159 atgtcttctt ctactgactg caaccag 27
161 <210> SEQ ID NO: 17
162 <211> LENGTH: 25
163 <212> TYPE: DNA
164 <213> ORGANISM: Human
166 <400> SEQUENCE: 17
167 tcaagagtct tcaacagacg cgtcg 25
169 <210> SEQ ID NO: 18
170 <211> LENGTH: 25
171 <212> TYPE: DNA
172 <213> ORGANISM: Human
174 <400> SEQUENCE: 18
175 tcaagagtct tcacaagacg cgtcg 25
177 <210> SEQ ID NO: 19
178 <211> LENGTH: 33
179 <212> TYPE: DNA
180 <213> ORGANISM: Human
182 <400> SEQUENCE: 19
183 tcaagagtct cattcaacag acgcgtcgaa atg 33
185 <210> SEQ ID NO: 20
186 <211> LENGTH: 36
187 <212> TYPE: DNA
188 <213> ORGANISM: Human
190 <400> SEQUENCE: 20
191 atgagcgctg cctcttcttc tacgtactgc aaccag 36
193 <210> SEQ ID NO: 21
194 <211> LENGTH: 39
195 <212> TYPE: DNA
196 <213> ORGANISM: Human
198 <400> SEQUENCE: 21
199 atgtccgctg ccagcagctc tacgtactgc aaccagatg 39
201 <210> SEQ ID NO: 22
202 <211> LENGTH: 47

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203 <212> TYPE: DNA
204 <213> ORGANISM: Human
206 <400> SEQUENCE: 22
207 atgtccgctg ccagcagctc caactactgc aaccagatga tgcgctcg      47
209 <210> SEQ ID NO: 23
210 <211> LENGTH: 30
211 <212> TYPE: DNA
212 <213> ORGANISM: Human
214 <400> SEQUENCE: 23
215 tcattcaaca gacgcgtcga aatgaaccgg      30
217 <210> SEQ ID NO: 24
218 <211> LENGTH: 30
219 <212> TYPE: DNA
220 <213> ORGANISM: Human
222 <400> SEQUENCE: 24
223 ctattcaaca cacgcgtcga aatgaaccgg      30
225 <210> SEQ ID NO: 25
226 <211> LENGTH: 33
227 <212> TYPE: DNA
228 <213> ORGANISM: Bovine
230 <400> SEQUENCE: 25
231 aacatgcata tgagcacttc cgctgccagc agc      33
233 <210> SEQ ID NO: 26
234 <211> LENGTH: 34
235 <212> TYPE: DNA
236 <213> ORGANISM: Bovine
238 <400> SEQUENCE: 26
239 tacggtaccc actgaagcat caaagtggac tggc      34
241 <210> SEQ ID NO: 27
242 <211> LENGTH: 53
243 <212> TYPE: DNA
244 <213> ORGANISM: Human
246 <220> FEATURE:
247 <221> NAME/KEY: CDS
248 <222> LOCATION: (1)...(53)
250 <400> SEQUENCE: 27
251 atg aaa gaa tct aga cgt aaa aaa ttt caa cgt caa cac atg gac tct      48
252 Met Lys Glu Ser Arg Arg Lys Lys Phe Gln Arg Gln His Met Asp Ser
253 1          5          10          15
255 ggt ac      53
256 Gly
260 <210> SEQ ID NO: 28
261 <211> LENGTH: 17
262 <212> TYPE: PRT
263 <213> ORGANISM: Human
265 <400> SEQUENCE: 28
266 Met Lys Glu Ser Arg Arg Lys Lys Phe Gln Arg Gln His Met Asp Ser
267 1          5          10          15
268 Gly

```

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272 <210> SEQ ID NO: 29  
 273 <211> LENGTH: 48  
 274 <212> TYPE: DNA  
 275 <213> ORGANISM: Human  
 277 <400> SEQUENCE: 29  
 278 cagagtccat gtgttgacgt tgaaattttt tacgtctaga ttctttca                      48  
 280 <210> SEQ ID NO: 30  
 281 <211> LENGTH: 7  
 282 <212> TYPE: PRT  
 283 <213> ORGANISM: Bovine  
 285 <400> SEQUENCE: 30  
 286 Gly Thr Asp Asp Asp Asp Lys  
 287 1                                      5

VERIFICATION SUMMARY

DATE: 08/29/2001

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